

Page 22, line 35 - page 23, line 1, delete current paragraph and insert therefor:

C2  
Incidentally, the scope of the present invention is not restricted to the above-described respective embodiments but includes other arrangement as long as an object to the present invention can be attained, including below-described modifications. For example, the present invention can work with the workpieces of the related art (Fukuda) as shown in Figs. 17 and 18.

IN THE CLAIMS:

Please cancel claim 9 without prejudice to or disclaimer of the subject matter contained therein.

Please replace claims 3, 4 and 8 as follows:

C3 Sub F1  
3. (Twice Amended) The surface texture measuring machine according to Claim 2, wherein each of the Y-axis adjustment means, the swivel adjustment means, and the inclination adjustment means include a micrometer head.

C4 Sub D2  
4. (Twice Amended) An orientation-adjustment method of a workpiece using a surface texture measuring machine, the workpiece having an edge line, the workpiece orientation adjustment stage being movable in a measurement direction (X-axis direction) and in a direction (Y-axis direction) orthogonal with the X-axis direction within a horizontal plane and rotatable in a X-Y plane, the workpiece orientation adjustment stage being capable of seesawing in a direction (Z-axis direction) orthogonal with the X-axis direction within a perpendicular plane, and the surface texture of the workpiece being scanned by a sensor movable in the X-axis direction after adjusting orientation of the workpiece orientation adjustment stage, the orientation adjusting method comprising the steps of:

measuring positions of the workpiece relative to the sensor at a measuring start point and a measurement end point;

calculating orientation of the workpiece from the positions to obtain an absolute quantity of an orientation correction amount to the measurement direction; displaying or printing the orientation correction amount; and operating an adjustment means of the workpiece orientation adjustment stage to correct the orientation of the workpiece.

8. (Twice Amended) An leveling device for a surface texture measuring machine, the surface texture measuring machine comprising: a displacement detecting means movable in a measurement direction (X-axis direction) for measuring displacement on a surface of a workpiece; and a moving means for moving the displacement detecting means in the measurement direction to scan a displacement signal from the displacement detecting means, the surface texture measuring machine adjusting an amount of a workpiece stage relative to a base line as a movement locus of the displacement detecting means, the leveling device comprising:

a fulcrum during measurement and adjustment and a point of action working relative to the fulcrum;

a manipulated valuable calculation means for scanning the surface of the workpiece by the displacement detecting means and for calculating a center locus, a inclination of the surface of the workpiece, of measurement data based on a displacement signal from the displacement detecting means to calculate a operation amount at the point of action relative to the fulcrum required for paralleling the center locus with the base line of the moving means;

an output means for displaying, printing or outputting as data the operation amount; and